

AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

QC ABSTRACT

OF WORK: Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward

Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials					
Cement	Fineness by dry sieving	One Test		1	1
	Fineness by Air permeability method	One Test		1	1
	Density	One Test		1	1
	Standard Consistency	One Test		1	1
	Initial Setting time	One Test		1	1
	Final Setting time	One Test		1	1
	Soundness (Le Chatelier's Method)	One Test		1	1
	Compressive Strength	One Test		1	1
Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
	Flakiness Index	One Test		1	1
	Elongation Index	One Test		1	1
	Specific Gravity	One Test		1	1
	Bulk Density(Loose)	One Test		1	1
	Bulk Density(Compacted)	One Test		1	1
	Water Absorption	One Test		1	1
	Aggregate crushing Value	One Test		1	1
	Aggregate Impact Value	One Test		1	1
	SIEVE ANALYSIS	One Test		1	1
Fine aggregate	Water Absorption	One Test		1	1
	Specific Gravity	One Test		1	1
	Material finer than 75 micron	One Test		1	1
	Bend test	One Test		1	1
Steel	Tensile Test	One Test		1	1
	Yield Test	One Test		1	1
	ReBend test	One Test		1	1
PCC(M15)	Compressive Strength(7days and 28days)	5 Sets		10	10
Cement Concrete Designer Tiles	Water Absorption	One Test		1	1
	Wet Transverse Strength	One Test		1	1



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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2022-05-21-13 Date: 21-02-22
Project Name : Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Agency : Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer's Reference : EE(Project)/YnkZone/WO/05/2021-22
Date of Receipt : 17-02-22
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11).1988
IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability
IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6

Date of test : 18-02-22

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.55	—
2	Finess by Air permeablity method (m ² /kg.Min)	287.5	225m ² /kg, Min
3	Density (gm/cc)	3.12	—
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.



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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2022-05-21-13 Date: 18-03-22
Project Name : Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Agency : Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer's Reference : EE(Project)/YnkZone/WO/05/2021-22
Date of Receipt : 17-02-22
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test : 18-02-22
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Compressive Strength			
L.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm ²	Not less than 27 N/mm ²
2	7 Days	39.0N/mm ²	Not less than 37 N/mm ²
3	28 Days	56.5N/mm ²	Not less than 53 N/mm ²

The results obtained are satisfactory as per standard requirements.

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2022-05-21-13 Date: 19-02-22
Project Name : Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Agency : Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer Reference : EE(Project)/YnkZone/WO/05/2021-22
Date of Receipt : 17-02-22
Sample Type/ Size : 20mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 17-02-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	255	255	5.1	94.9	90-100
3	10 mm	2789	3044	60.9	39.1	25-55
4	4.75 mm	1545	4589	91.8	8.2	0-10
5	Pan	411	5000	100	0	-

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TEST REPORT ON COARSE AGGREGATES

Lab ID

:

CP-2022-05-21-13

Date: 19-02-22

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.4	
3	Specific Gravity	2.65	—
4	Bulk Density(Loose) (Kg/l)	1.53	—
5	Bulk Density(Compacted) (Kg/l)	1.55	—
6	Water Absorption(%)	0.22	—
7	Aggregate crushing Value(%)	24.1	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.8	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.



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TEST REPORT OF FINE AGGREGATE

Date: 19-02-22

ID : CP-2022-05-21-13
Project Name : Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Agency : Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer's Reference : EE(Project)/YnkZone/WO/05/2021-22
Date of Receipt : 17-02-22
Sample Type : Fine Aggregate
Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
Date of test : 17-02-22

Weight taken : 1000 grams

Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
					Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
10 mm	0	0	0.0	100.0	100	100	100	100
4.75 mm	52	52	5.2	94.8	90-100	90-100	90-100	95-100
2.36 mm	175	227	22.7	77.3	60-95	75-100	85-100	95-100
1.18 mm	165	392	39.2	60.8	30-70	55-90	75-100	90-100
600 micron	187	579	57.9	42.1	15-34	35-59	60-79	80-100
300 micron	175	754	75.4	24.6	5-20	8-30	12-40	15-50
150 micron	155	909	90.9	9.1	0-10	0-10	0-10	0-15
Pan	91	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

ID : CP-2022-05-21-13

Date: 19-02-22

PHYSICAL PROPERTIES

Tests	Result	Requirements as per IS 383:2016
Water Absorption(%)	1.5	—
Specific Gravity	2.59	—
Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

results obtained are satisfactory as per standard requirements.



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TEST RESULTS OF STEEL

Date: 19-02-22

CP-2022-05-21-13
Name : Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
er's Reference : EE(Project)/YnkZone/WO/05/2021-22
Receipt : 17-02-22
Type : Indus
ce to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.
test: : 18-02-22

Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
		(mm)	(kg/m)	(N/mm ²)	(N/mm ²)	(%)		
Indus	Fe500D	10	0.616	552	678	21.0%	Satisfactory	Satisfactory
Indus	Fe500D	16	1.581	583	683	20.0%	Satisfactory	Satisfactory
Indus	Fe500D	20	2.476	598	692	20.0%	Satisfactory	Satisfactory

Results obtained are satisfactory as per standard requirements.



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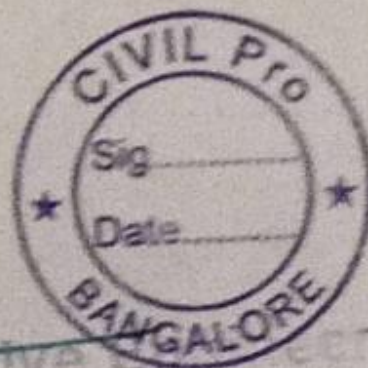
TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/03/2022

Project Name : CP-2022-05-21-13
Project Description : Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Project Location : Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Project Reference : EE(Project)/YnkZone/WO/05/2021-22
Test Date : 03-03-22
Test ID : South Side Above Compound Wall Coping Concrete
Test Type /Size : 150X150X150 mm
Test Grade/Age : M15 / 7 Days Compressive Strength
Test to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Test Date : 07/03/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
South Side Above Compound Wall Coping Concrete	M15	28/02/2022	07/03/2022	150.74 X 149.72 X 151.16	22570	8.490	286.3	12.7	12.2
South Side Above Compound Wall Coping Concrete	M15	28/02/2022	07/03/2022	150.62 X 151.79 X 149.41	22863	9.057	253.0	11.1	
South Side Above Compound Wall Coping Concrete	M15	28/02/2022	07/03/2022	151.29 X 151.65 X 150.88	22943	8.985	294.7	12.8	

Results obtained are satisfactory as per standard requirements.



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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 28/03/2022

Name : CP-2022-05-21-13
Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
er's Reference : EE(Project)/YnkZone/WO/05/2021-22
Receipt : 03-03-22
er ID : South Side Above Compound Wall Coping Concrete
Type /Size : 150X150X150 mm
Grade/Age : M15 / 28 Days Compressive Strength
ce to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
est : 28/03/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
South Side Above Compound Wall Coping Concrete	M15	28/02/2022	28/03/2022	151.14 X 149.25 X 149.05	22557	8.966	416.1	18.4	18.4
South Side Above Compound Wall Coping Concrete	M15	28/02/2022	28/03/2022	150.26 X 151.33 X 150.77	22738	8.119	424.5	18.7	
South Side Above Compound Wall Coping Concrete	M15	28/02/2022	28/03/2022	149.34 X 150.60 X 151.19	22491	8.390	406.1	18.1	

Results obtained are satisfactory as per standard requirements.

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Certificate No.: TC-SS48

Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

ID : CP-2022-05-21-13 Date: 07-03-22
Project Name : Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Agency : Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer's Reference : EE(Project)/YnkZone/WO/05/2021-22
Date of Receipt : 02-03-22
Sample Type : Fine Aggregate, M.Sand for Mortar
Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars)
IS: 2386 :1963(Part - 1, 3) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
Date of test : 02-03-22
Weight taken : 1000 grams

Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
4.75 mm	0	0	0	100	100
2.36 mm	85	85	8.5	91.5	90-100
1.18 mm	200	285	28.5	71.5	70-100
600 micron	146	431	43.1	56.9	40-100
300 micron	116.5	547.5	54.8	45.3	5-70
150 micron	412.5	960	96.0	4.0	0-15
Pan	40	1000	100.0	0.0	0

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TEST REPORT FOR SAND MASONRY MORTARS

ID : CP-2022-05-21-13 Date: 07-03-22

PHYSICAL PROPERTIES

Tests	Result	Requirements as per IS 383:2016
Water Absorption(%)	3.18	-
Specific Gravity	2.51	-
Material finer than 75 micron(%)	12.2	Crushed Fine aggregate Max 15%
Compacted Bulk Density (Kg/litre)	1.90	-
Loose Bulk Density (Kg/litre)	1.73	-

Results obtained are satisfactory as per standard requirements.



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CEMENT CONCRETE FLOORING TILES

Lab ID : CP-2022-05-21-13 Date: 07-03-22
Project Name : Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Agency : Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
Customer Reference : EE(Project)/YnkZone/WO/05/2021-22
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 02-03-22
Sample Type : Pre-Polished Designer Cement Concrete Tiles
Reference to BIS codes : IS 1237:2012 (RA 2017)
Date of test : 02-03-22

1. Water Absorption

Sl.No.	Measured Dimension (mm)			Water Absorption	Average	Requirement as per IS:1237-2012
	L	B	T	(%)	(%)	
1	402	402	25.01	2.470	2.47	The average percentage of water absorption shall not exceed 10.
2	401	402	25.05	2.720		
3	401	401	25.01	2.800		
4	402	402	25.05	2.050		
5	401	401	25.08	2.160		
6	400	402	25.01	2.630		

2. Wet Transverse Strength

Sl.No.	Measured Dimension (mm)			Wet Transverse Strength	Average	Requirement as per IS:1237-2012
	L	B	T	(N/mm ²)	(N/mm ²)	
1	402	402	25.02	8.51	7.8	The average wet transverse strength shall not be less than 3N/mm ² .
2	401	401	25.04	8.45		
3	402	402	25.03	7.56		
4	399	401	25.05	7.44		
5	401	402	25.02	7.45		
6	402	401	25.01	7.52		

* The results obtained are satisfactory as per standard requirements.



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Page 1/1
End of Report

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-SS48

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-05-21-13 Date: 17/03/2022
: Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
: Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
: EE(Project)/YnkZone/WO/05/2021-22
: 12-03-22
: East Side Above Compound Wall Coping Concrete
: 150X150X150 mm
: M15 / 7 Days Compressive Strength
: IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete CL5
: 17/03/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
East Side Above Compound Wall Coping Concrete	M15	10/03/2022	17/03/2022	149.88 X 150.09 X 151.98	22494	9.036	272.3	12.1	12.1
East Side Above Compound Wall Coping Concrete	M15	10/03/2022	17/03/2022	151.87 X 151.90 X 149.79	23070	8.617	261.6	11.3	
East Side Above Compound Wall Coping Concrete	M15	10/03/2022	17/03/2022	150.81 X 151.14 X 149.10	22793	8.587	290.2	12.7	

Results obtained are satisfactory as per standard requirements.



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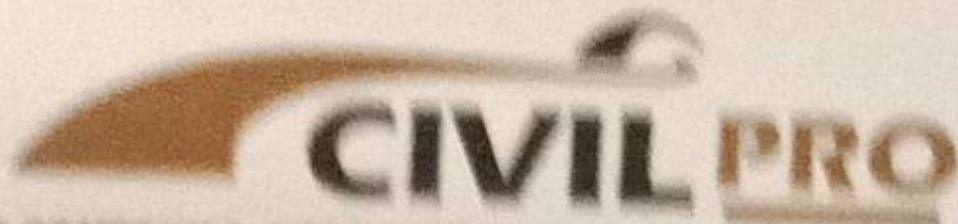
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4, 7TH MAIN MALLESWARAM, BANGALORE - 5

Certificate No. : CP-8848

Formal No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

CP-2022-05-21-13

Date: 07/04/2022

Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.02
Sri Channendra Murthy M.D., #410, Balaji Nilaya, 3th Main Road, 4th Cross, Near Priya Darshini
School, Kengeri Satellite Town, Bangalore-60

EE(Project) Ysk.Zone-WC/03/2021-22

12-03-22

East Side Above Compound Wall Coping Concrete

150X150X150 mm

M15 / 28 Days Compressive Strength

IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete CL3

07/04/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
East Side Above Compound Wall Coping Concrete	M15	10/03/2022	07/04/2022	150.93 X	22759	8.616	425.7	18.7	18.6
				150.78 X					
				150.61					
East Side Above Compound Wall Coping Concrete	M15	10/03/2022	07/04/2022	149.48 X	22623	9.064	407.6	18.0	
				151.34 X					
				149.68					
East Side Above Compound Wall Coping Concrete	M15	10/03/2022	07/04/2022	150.96 X	22883	8.313	434.1	19.0	
				151.58 X					
				150.34					

Remained are satisfactory as per standard requirements.

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

- : CP-2022-05-21-13 Date: 28/03/2022
: Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
: Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60
: EE(Project)/YnkZone/WO/05/2021-22
: 22-03-22
: North Side Above Compound Wall Coping Concrete
: 150X150X150 mm
: M15 / 7 Days Compressive Strength
: IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete CL5
: 27/03/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
North Side Above Compound Wall Coping Concrete	M15	20/03/2022	27/03/2022	150.17 X 149.57 X 150.44	22461	8.981	290.4	12.9	12.4
North Side Above Compound Wall Coping Concrete	M15	20/03/2022	27/03/2022	151.74 X 151.95 X 150.21	23056	9.009	264.0	11.5	
North Side Above Compound Wall Coping Concrete	M15	20/03/2022	27/03/2022	149.22 X 151.17 X 150.17	22558	8.223	286.1	12.7	

Results obtained are satisfactory as per standard requirements.



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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

CP-2022-05-21-13

Date: 18/04/2022

Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini
School, Kengeri Satellite Town, Bangalore-60
EE(Project)/YnkZone/WO/05/2021-22
22-03-22
North Side Above Compound Wall Coping Concrete
150X150X150 mm
M15 / 28 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

17/04/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen		Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)						
North Side Above Compound Wall Coping Concrete	M15	20/03/2022	17/04/2022	149.71 X 151.33 X 150.25		22657	8.613	411.8	18.2	18.4
North Side Above Compound Wall Coping Concrete	M15	20/03/2022	17/04/2022	149.21 X 151.34 X 149.82		22581	8.523	425.9	18.9	
North Side Above Compound Wall Coping Concrete	M15	20/03/2022	17/04/2022	149.39 X 150.90 X 149.06		22544	8.945	409.1	18.1	

Results obtained are satisfactory as per standard requirements.



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****End of Report****

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

CP-2022-05-21-13

Date: 11/04/2022

Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05

Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60

EE(Project)/YnkZone/WO/05/2021-22

07-04-22

PCC for Sitting area

150X150X150 mm

M15 / 7 Days Compressive Strength

IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

11/04/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
for Sitting area	M15	04/04/2022	11/04/2022	149.74 X 149.33 X 150.79	22361	8.966	275.4	12.3	12.3
for Sitting area	M15	04/04/2022	11/04/2022	150.77 X 150.84 X 151.91	22743	8.836	252.8	11.1	
for Sitting area	M15	04/04/2022	11/04/2022	151.26 X 149.19 X 150.70	22566	9.013	302.4	13.4	

obtained are satisfactory as per standard requirements.



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R KARTHIK RECHAN
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****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TG-6546

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

CP-2022-05-21-13

Date: 02/05/2022

Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05

Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore-60

EE(Project)/YnkZone/WO/05/2021-22

07-04-22

PCC for Sitting area

150X150X150 mm

M15 / 28 Days Compressive Strength

IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

02/05/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
For Sitting area	M15	04/04/2022	02/05/2022	150.31 X 149.52 X 150.05	22475	9.037	406.7	18.1	18.4
For Sitting area	M15	04/04/2022	02/05/2022	151.32 X 149.17 X 150.71	22573	8.770	407.5	18.1	
For Sitting area	M15	04/04/2022	02/05/2022	150.63 X 151.01 X 150.31	22747	8.333	430.2	18.9	

Retained are satisfactory as per standard requirements.



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R. KARTHIK RECHAN
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****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-8548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

CP-2022-05-21-13

Date: 18/04/2022

Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini
School, Kengeri Satellite Town, Bangalore-60

EE(Project)/YnkZone/WO/05/2021-22

12-04-22

PCC for Passage

150X150X150 mm

M15 / 7 Days Compressive Strength

IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

17/04/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
PCC for Passage	M15	10/04/2022	17/04/2022	149.16 X 150.88 X 149.61	22507	8.712	280.5	12.5	12.3
PCC for Passage	M15	10/04/2022	17/04/2022	150.94 X 151.01 X 149.86	22793	8.155	265.3	11.6	
PCC for Passage	M15	10/04/2022	17/04/2022	150.28 X 150.55 X 151.27	22624	8.402	291.4	12.9	

obtained are satisfactory as per standard requirements.



FOR CIVIL Pro.
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R KARTHIK RECHAN
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Quality Manager

Page 1/1
****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 09/05/2022

CP-2022-05-21-13

Maintenance and Repair works at Primary Health Center at Agrahara Layout in Ward No.05
Sri.Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini
School, Kengeri Satellite Town, Bangalore-60
EE(Project)/YnkZone/WO/05/2021-22
12-04-22
PCC for Passage
150X150X150 mm
M15 / 28 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

08/05/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
PCC for Passage	M15	10/04/2022	08/05/2022	151.55 X 149.04 X 151.71	22587	8.543	415.0	18.4	18.6
PCC for Passage	M15	10/04/2022	08/05/2022	149.72 X 149.89 X 151.47	22441	8.696	420.3	18.7	
PCC for Passage	M15	10/04/2022	08/05/2022	150.91 X 151.44 X 151.23	22854	8.470	424.2	18.6	

Tested are satisfactory as per standard requirements.



FOR CIVIL Pro.

[Signature]
K KARTHIK RECHAN
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Page 1/1
****End of Report****

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